EPDM Material properties

L no.	Property	Test Method		Test Unit	Specifications	Result
1	Hardness, 5 second	IS-3400 Part -23	ASTM-D2240	Shore A	70 ± 5	71
2	Specific Gravity	IS-3400 Part -9	ASTM D 297	Gm/cm3	1.25± 0.5	1.27
3	Tensile Strength, Ultimate	IS-3400 Part -1	ASTM D412	N/mm2	Minimum 10	53
4	Elongation, Ultimate	IS-3400 Part -1	ASTM D412	Percent	Minimum 200%	313
5	Compression Set	IS-3400 Part -10	ASTM D395 B	% @ 70°C after 24 hrs	50% Max	42%
6	UV Resistance				Excellent	Excellent
7	Ozone Resistance 50 PPHM for 96 hours @ 104° F (40°C)	IS-3400 XX	ASTM D1149		No Crack at 50 ± 5 PPHM test temp. of 40 ± 2° C, Test Duration of 96 Hrs and 20% Strain	No Cracks Observed
8	Heat Aging, 108=0 hrs @ (70°C) Change in : 1) Hardness 2) Ult. Tensile Strength 3) Ult. Elongation	IS-3400 Part -4	ASTM D573	Shore A % %	+/- 10 +/- 25 +/- 35	+5 +6 -15

11/11/2020
AMS

11/11/2020
AME

11/11/2020
DME

Annexure - D

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Scale - 1:1
Units in mm
45
40
9
7
44
19
8
19
7